

Converting Colors

CIELCh(36, 37.811, 127.782)

Have a look what the booklet for
CIELCh(36, 37.811, 127.782)
contains.

CIELCh(36, 37.505, 127.928)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(36, 37.505, 127.928)

Conversions

Conversions Part 1

Format	Color
Hex	3D5D22
RGB	61, 93, 34
RGB Percent	24%, 36%, 13%
CMY	0.7595, 0.6340, 0.8654
CMYK	0.34, 0.00, 0.63, 0.63
HSL	93°, 46%, 25%
HSV	93°, 63%, 37%
XYZ	6.1825, 9.0082, 2.9504
YIQ	76.7060, -0.1330, -25.1330

Conversions

Conversions Part 2

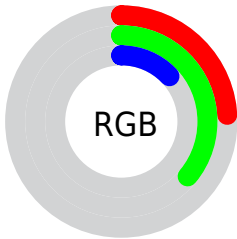
Format	Color
R_{YB}	34, 93, 66
Decimal	4021538
CIE _{Lab}	36.00, -23.05, 29.58
CIE _{LCh}	36, 37.505, 127.928
Yxy	9.0082, 0.3408, 0.4966
Android (android.graphics.Color)	4282211618 (0xFF3D5D22)
YUV	76.7060, -21.0541, -13.7742
Hunter-Lab	30.0136, -15.7545, 15.1812

Details

The CIELCh color **36, 37.505, 127.928** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **21, 40.540, 313.277**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 37.704, 127.920**, and **16, 31.654, 133.621** is the 20% darker color. If you saturate the color by 10%, you get **36, 42.466, 127.750**, and if you desaturate by 10%, it is **36, 32.052, 128.261**.

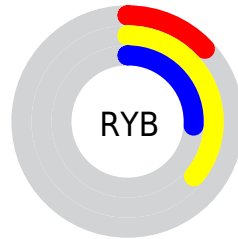
Distribution



Red (24%)

Green (36%)

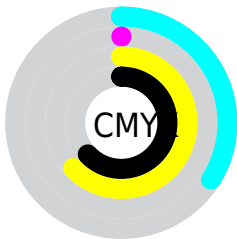
Blue (13%)



Red (13%)

Yellow (36%)

Blue (26%)

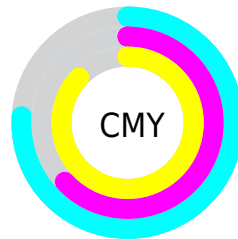


Cyan (34%)

Magenta (0%)

Yellow (63%)

Black (63%)



Cyan (76%)


Magenta (63%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 37.505, 127.928 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 36, 37.505, 127.928 by changing the saturation by 10% instead.


 36, 37.505,
127.928


 36, 37.505,
127.928

 100, 37.505,
127.928


 26, 37.505,
127.928

 56, 37.505,
127.928


 16, 37.505,
127.928


 66, 37.505,
127.928

 6, 37.505, 127.928

 76, 37.505,
127.928

 0, 37.505, 127.928

 86, 37.505,
127.928

 96, 37.505,
127.928

■ 36, 37.505,
127.928

■ 36, 37.505,
127.928

■ 36, 42.466,
127.750

■ 36, 32.052,
128.261

■ 35, 46.718,
127.817

■ 37, 26.276,
128.674

■ 35, 50.139,
128.170

■ 37, 20.302,
129.120

■ 35, 52.438,
128.281

■ 38, 14.220,
129.571

■ 39, 8.093, 130.008

■ 39, 1.968, 130.445

■ 40, 4.123, 310.764

■ 41, 10.154,
311.118

■ 42, 16.110,
311.432

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36, 37.505, 127.928



21, 40.540, 313.277

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36, 37.505, 127.928



36, 37.505, 177.928



36, 37.505, 307.928



36, 37.505, 357.928

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36, 37.506, 127.929



50, 14.538, 129.731



30, 24.953, 71.235



25, 9.912, 129.647



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36, 37.506, 127.929



46, 54.240, 127.747



35, 41.778, 140.192



19, 3.376, 130.197



41, 58.909, 128.604



84, 104.927, 129.626

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21, 40.540, 313.277



24, 59.675, 313.656



25, 41.292, 328.417



17, 3.414, 310.868



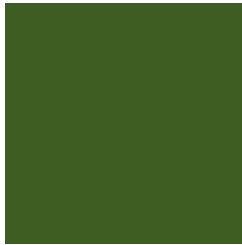
16, 66.105, 313.435



39, 117.228, 312.723

Previews

White Background



This preview shows how the CIELCh color 36, 37.505, 127.928 looks on a white background.

Color Contrast Check

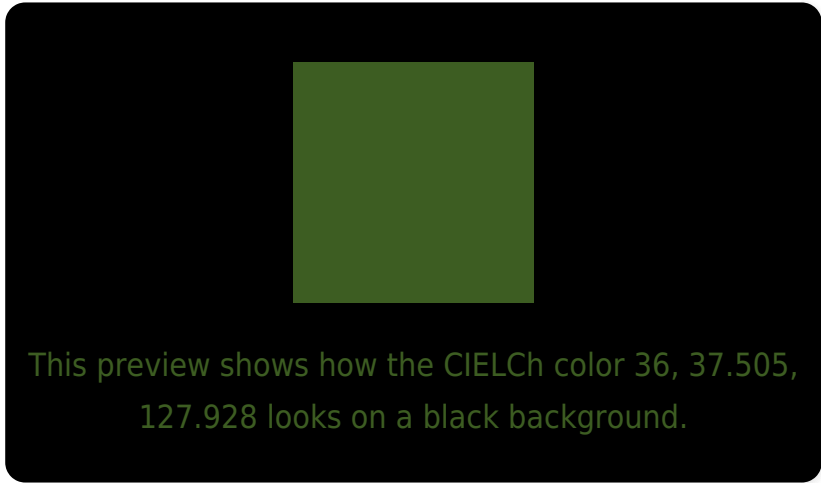
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

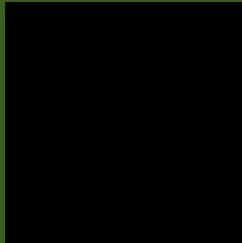
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 37.505, 127.928

Background



This preview shows how black text looks on a background with the CIELCh color 36, 37.505, 127.928.



This preview shows how white text looks on a background with the CIELCh color 36, 37.505, 127.928.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

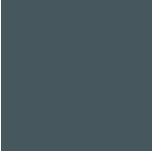
36, 37.505, 127.928

Protanopia

36, 31.658, 96.623

Deuteranopia

36, 28.575, 80.506



Tritanopia
36, 7.830, 232.609

Trichromacy



Original Color
36, 37.505, 127.928

Protanomaly
36, 32.370, 110.066

Deuteranomaly
35, 28.695, 102.322

Tritanomaly
36, 14.224, 149.844

Monochromacy



Original Color
36, 37.505, 127.928

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 14.731, 129.554

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 37.505, 127.928 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(61, 93, 34)` looks like.

```
.text, #text, p{  
    color:rgb(61, 93, 34)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(61, 93, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 93, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 37.505, 127.928 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(61, 93, 34) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(61, 93, 34) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(61, 93, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 93, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 93, 34);  
box-shadow:4px 4px 4px 4px rgb(61, 93, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 37.505, 127.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 93, 34) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(61, 93,  
34) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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